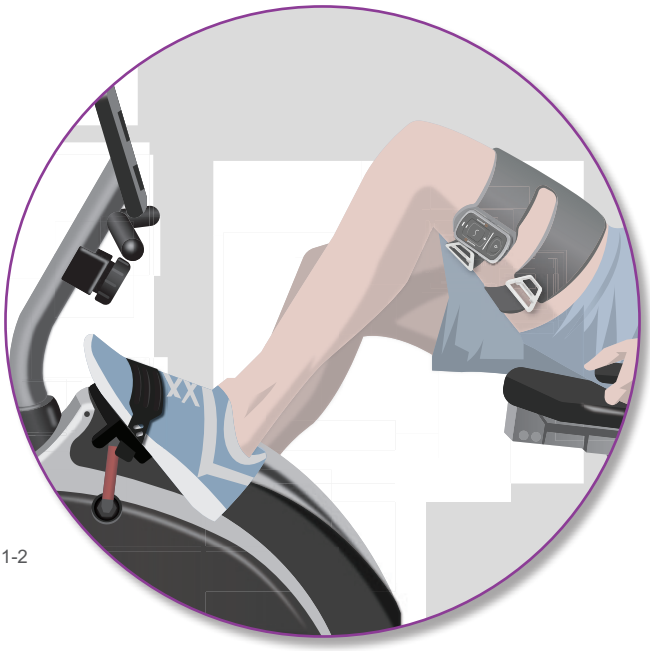
L360™ Thigh System

L360 Thigh System

The **L360 Thigh System** is an FDA-cleared **neuromuscular electrical stimulation (NMES) system** and **functional electrical stimulation (FES) system**.

Provide early post surgical quadriceps and hamstring strengthening, improve post surgical knee stability secondary to quad/hamstring strengthening, and prevent/retard disuse atrophy for individuals with muscle weakness – all with the L360 Thigh System.

Help Your Patients Regain Mobility



Returning patients to leading active lives after ACL reconstruction and total knee arthroplasty is a mission Bioventus shares with you.

- Evidence reveals patients undergoing ACL reconstruction and/or total knee arthroplasty experience 5%–20% muscle volume decreases.[1]
- Studies also suggest standard rehabilitation has not always been effective in preventing quadriceps atrophy.[1-2]

The L360 Thigh System may also:

- Facilitate muscle re-education
- Maintain or increase joint range of motion
- Increase local blood flow
- Relax muscle spasms

bioness®
A Bioventus Rehab Company

L360 Thigh System

3D Motion Detection	A proprietary adaptive algorithm adapts to kinematic changes in real time, deploying stimulation precisely when needed.
Electrical Stimulation Modes	Targeted stimulation occurs in three distinct modes: • FES | Gait Mode, exclusive with proprietary intelligence • FES | Cycle Training Mode, exclusive with proprietary intelligence • NMES | Training Mode
Fast, Intuitive Set-Up	No wires, onboard controls, a Quick Start Fitting Mode, and Bluetooth® programming significantly reduce set-up time and maximize the productivity of each therapy session.
Outcome Measures	Standardized assessments make it easy to objectively track and document patient progress. • 10-meter walk test • Timed walking distance test

Our technology leads the industry, with 90% of the top 20 US rehabilitation hospitals adopting our technology.[3]

Contact your Local Bioventus or Bioness Representative.

bioventus®
Innovations For Active Healing

References: 1. Mizner RL, Petterson SC, Stevens JE, Vandenborne K, Snyder-Mackler L. Early quadriceps strength loss after total knee arthroplasty. The contributions of muscle atrophy and failure of voluntary muscle activation. *J Bone Joint Surg Am.* 2005;87(5):1047-53. doi:10.2106/JBJS.D.01992 **2.** Keays SL, Bullock-Saxton JE, Newcombe P, Keays AC. The relationship between knee strength and functional stability before and after anterior cruciate ligament reconstruction. *J Orthop Res.* 2003;21(2):231-7. doi:10.1016/S0736-0266(02)00160-2 **3.** U.S. News & World Report. Best hospitals for rehabilitation. Accessed October 7, 2021. https://health.usnews.com/best-hospitals/rankings/rehabilitation

Indication for Use: The L360 Thigh System is intended to assist knee flexion or extension in adult individuals with muscle weakness related to upper motor neuron disease/injury (e.g., stroke, damage to pathways to the spinal cord). The L360 Thigh System electrically stimulates muscles in the affected leg to provide knee flexion or extension; thus, it also may improve the individual's gait.

The L360 Thigh System may also facilitate muscle re-education, prevent/retard disuse atrophy, maintain or increase joint range of motion, increase local blood flow, provide early post-surgical quadriceps and hamstring strengthening, improve post-surgical knee stability secondary to quadriceps and hamstring strengthening, and relax muscle spasms.

L360 Thigh System is contraindicated in patients with a demand-type cardiac pacemaker, defibrillator or any electrical implant. Do not use the system on a leg where metallic implant is directly underneath the electrodes, a cancerous lesion is present or suspected, or on a leg with regional disorder (e.g., fracture or dislocation) which could be adversely affected by motion from the stimulation. Use caution in patients with diagnosed or suspected cardiac problems or epilepsy.

Full prescribing information can be found in product labeling or at https://go.bioness.com/L360-safety.